



SUNDERLAND,

MESSRS. J. L. THOMPSON & SONS L^D.

YARD N^o 583.

PROFILE



ALSO NO. 591 (Sec's letter 3.9.37.)

Also N^o 594/5/6/7/9

"Royal Sceptre"

SUNDERLAND RPT. NO. 32270.

"Bretwalda"

SUNDERLAND RPT. NO. 32601.

WS 18

"Dietrichs"

SUNDERLAND RPT. NO. 32912.

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Foundation

W11-0083

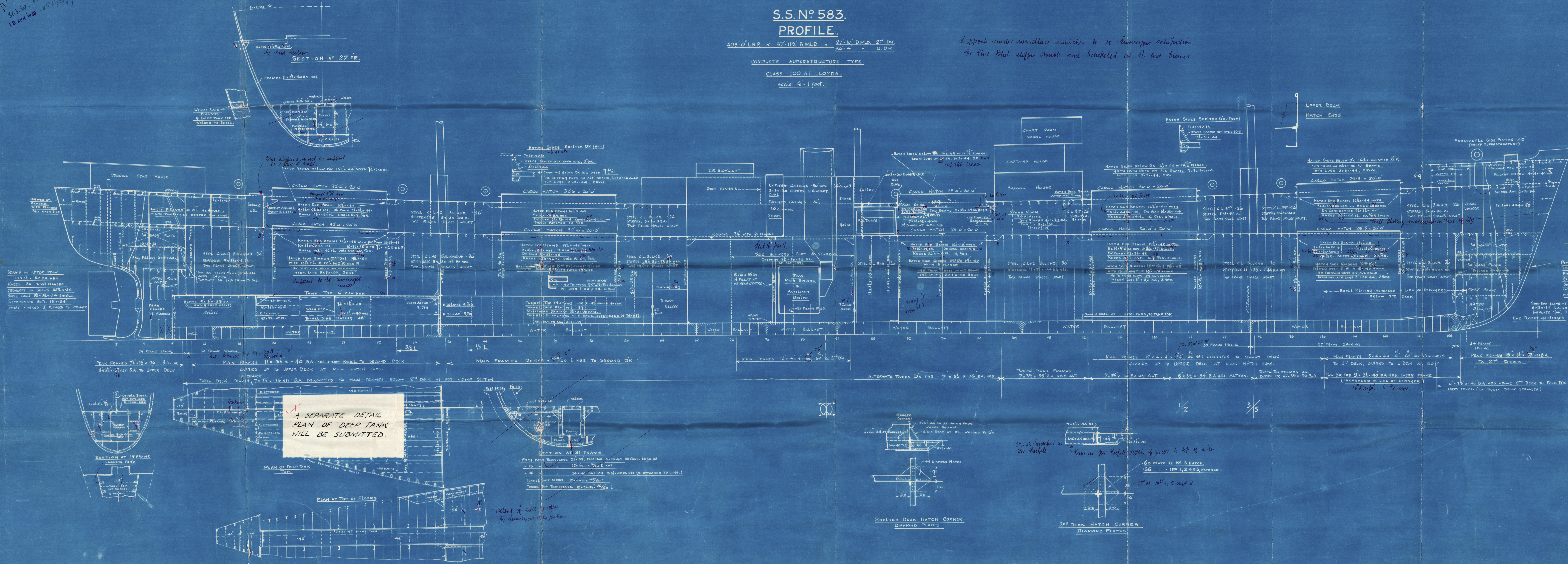
S.S. N° 583
PROFILE.

$$\frac{405'-0" \text{ L.B.P.} \times 57'-11\frac{1}{2}" \text{ B.M.L.D.} \times \frac{27'-10" \text{ D.M.L.D. } 2^{\text{nd}} \text{ D.K.}}{36'-4" \text{ " U. D.K.}}$$

COMPLETE SUPERSTRUCTURE TYPE

CLASS 100 A.1 LLOYDS.

Support under windlass reaches to 20 Surveys satisfaction.
Gr. line 2nd. suffers double and bracketed at H. and beams.



THOMPSON & SONS.
10975.
583.
5-3-37.

"Bretwalda"
J. H. Thompson & Sons' son.
Profile (as built)

BUNDERLAND RPT. NO. 32601



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W11-0084

FOR SS ARGYLL

SUNDERLAND.

MESSRS. J. L. THOMPSON & SONS LTD

YARD N^o 583.

DECKS



ALSO NO 591. (Sec's letter 3.9.37).

ALSO N^o 594/5/6/7/9

"Royal Sceptre"

SUNDERLAND RPT. NO. 32270.

"Brethwalda"

SUNDERLAND RPT. NO.

32601.

W.S 18

"Dinastegorn"

SUNDERLAND RPT.

NO.

32912.



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W11-0085

22-3-37
51.3.37 - 100 5946
18 APR 1938 - 100 5961/19

S.S. N° 583. DECKS.

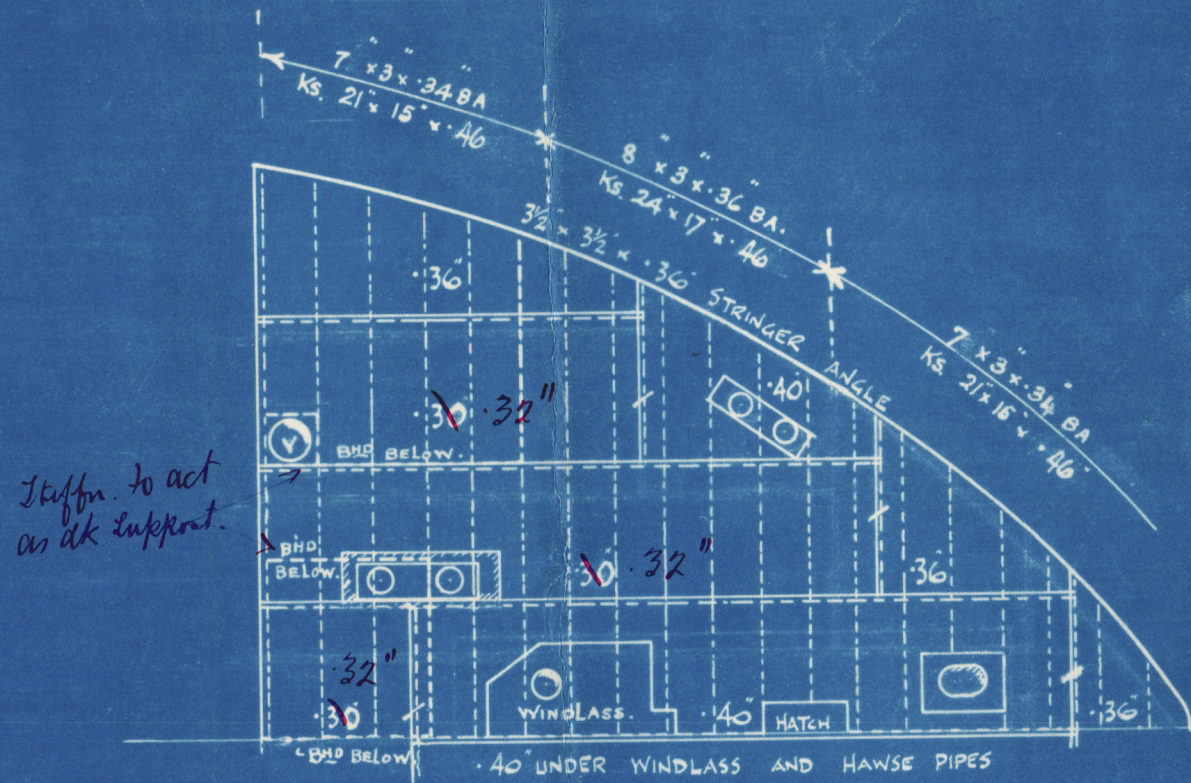
405'-0" L.B.P. x 57'-11 1/2" B.M.D. x 27'-10" D.M.D. 2nd D.K.
36'-4" = U. D.K.

COMPLETE SUPERSTRUCTURE TYPE.

CLASS 100 A1 LLOYDS with Treboard

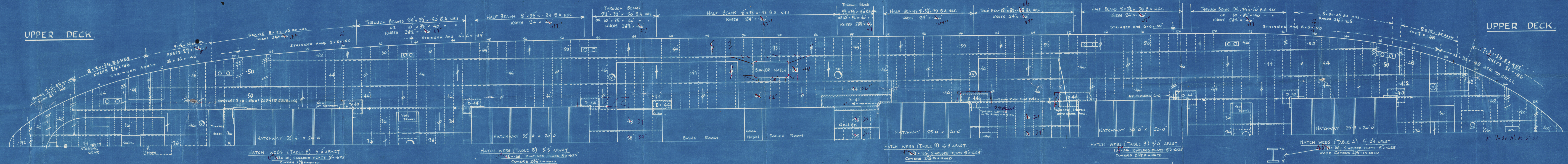
Scale: 1/8" = 1 Foot.

FORECASTLE DECK. (ABOVE SUPERSTRUCTURE)



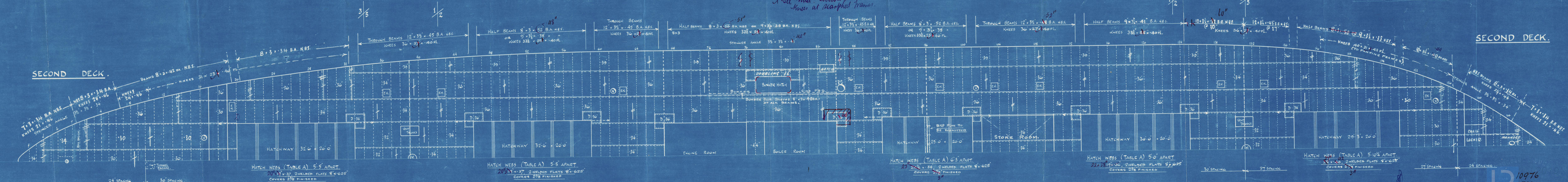
Truffa to act
on dk support.

UPPER DECK.



UPPER DECK.

SECOND DECK.



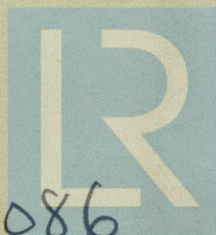
SECOND DECK.

"Bretwalda"

Decks (as built)

J. H. Thompson & Sons' 591.

SUNDERLAND RPT. NO. 32601.



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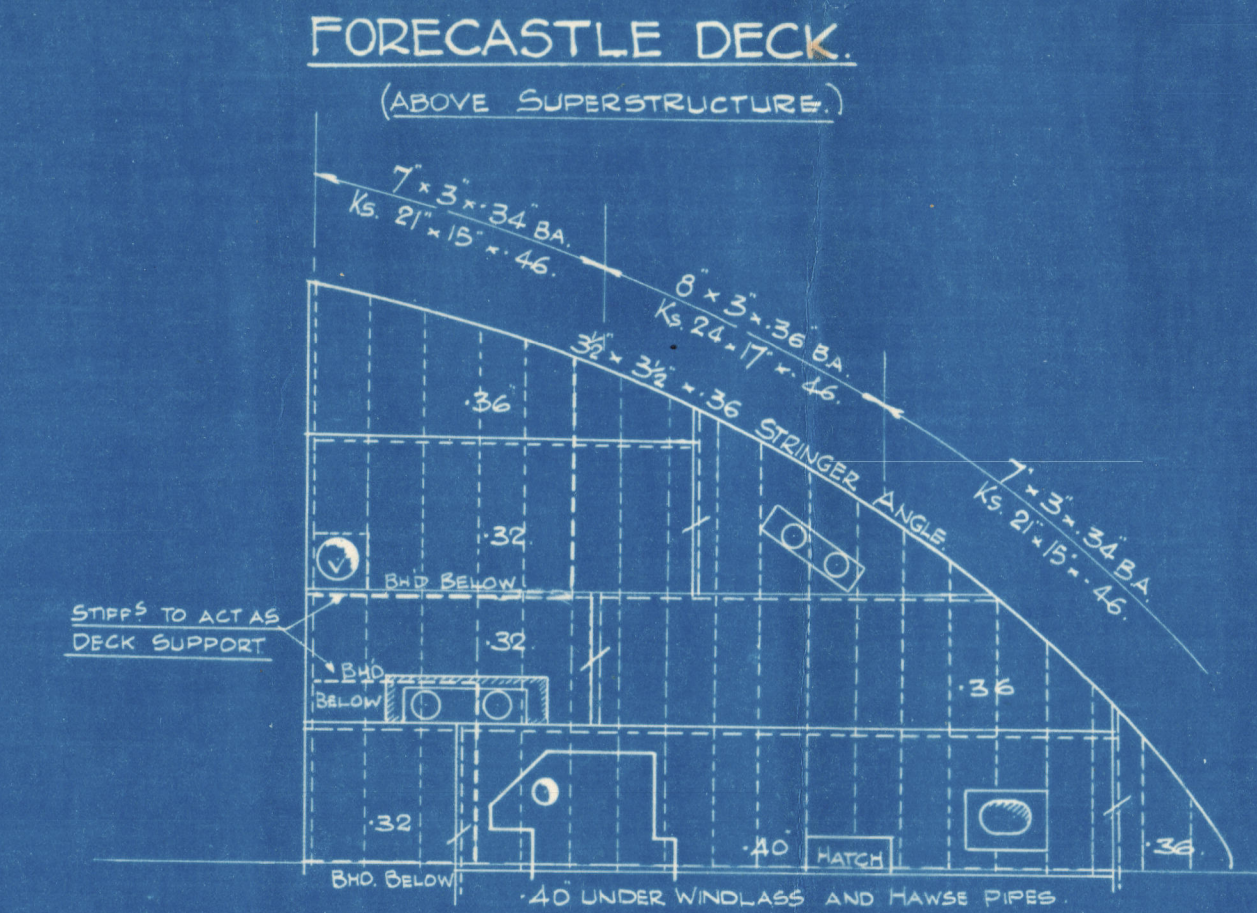
W11-0086

№ 591.

DECS.

$\frac{405^{\circ} 0^{\circ}}{36-4} \text{ L.B.P.} \times 57-11\frac{1}{2} \text{ B.M.D.} \times \frac{27-10}{36-4} \text{ D.M.D.} \frac{2^{\circ} 40 \text{ D.K.}}{11 \text{ D.K.}}$

COMPLETE SUPERSTRUCTURE TYPE.
CLASS 100 A.I. LLOYDS WITH FREEBOARD.
SCALE $\div \frac{1}{8} = 1\text{ FT}$



SUNDERLAND

MESSRS. J. L. THOMPSON & SONS LTD

YARD NO 583

MIDSHIP SECTION



Also NO 591 (Sec's letter 3.9.37)

Also NO 594/5/6/7/9

"Royal Sceptre"

SUNDERLAND RPT. NO. 32270.

"Breitwala"

SUNDERLAND RPT. NO. 32601.

"Hietlsgum"

SUNDERLAND RPT. NO. 32912.

W11-0081



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S. S. N° 583.
MIDSHIP SECTION

PRINCIPAL DIMENSIONS

LENGTH B.P. ----- 45'-0"
BREADTH EXTREME ----- 58'-3"
BREADTH MOULDED ----- 57'-11 1/2"
DEPTH M'L'D. TO 2nd DECK ----- 27'-10"
DEPTH M'L'D. TO U. DECK ----- 36'-4"
DEPTH TO LENGTH, UPPER DK. ----- 11'-15"

COMPLETE SUPERSTRUCTURE TYPE.

LLOYD'S 100 A1 CLASS with Freeboard.

SCALE: $\frac{1}{2}'' = 1$ FOOT.

NUMERALS.

$$\frac{L \times D = 405 (27.83 + 8.0) = 14511 \checkmark}{L (B+D) = 405 (57.96 + 35.83) = 37985 \checkmark}$$

405 (57.96 + 36.33)	6.75	38187	✓
FORECASTLE 29.87' x 6.5' x 7.5'		146	✓
CASING 67.5' x 7.75' x 5.0'		262	✓
DECKHOUSE 22.5' x 8.0' x 5.0'		90	

38685 LETTER a† ✓

10974.
583.
5-3-37.

"Bretwalda":
J. H. Thompson & Sons' 591
Midship Section (as built)

SUNDERLAND RPT. NO. 32601



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W11-0082

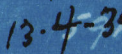
SCALE - $\frac{1}{2}$ " = 1 FOOT.

LENGTH BP	405' 0"
BREADTH EXTREME	58' 3"
BREADTH MOULDED	57' 11 1/2"
DEPTH MLD TO 2ND DECK	27' 10"
DEPTH M'LD TO U DECK	36' 4"
DEPTH TO LENGTH, UPPER OK	11.15

$$\begin{aligned} L \times D &= 405 (27.83 + 8.0) = 14511. \\ L (B+D) &= 405 (57.96 + 35.83) = 37985. \end{aligned}$$

405	$(57.96 + 36.33)$	-----	38187.
FORECASTLE	$29.87 \times 6.75 \times .75$	-----	151.
CASING	$67.5 \times 7.75 \times .50$	-----	262.
DECKHOUSE	$25.0 \times 8.0 \times .50$	-----	100.

38,700. LETTER af.

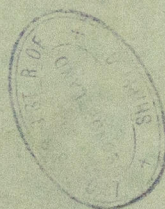


SUNDERLAND

The North Eastern Marine Eng. Co., Ltd
Contract No 2920.

Messrs. J.L. Thompson & Sons, Ltd.
Yard No. 591.

Amended Boiler Design



s.s. 'Brelwade'
SUNDERLAND RPT. NO. 32601

W11-0088



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The North Eastern Marine Eng. Co. Ltd.

Contract No. 2920

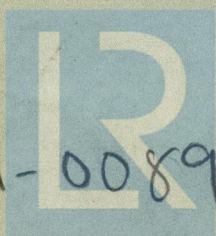
Messrs. J. L. Thompson & Sons, Ltd.

Yard No. 591.

AUXILIARY BOILER

s.s. "Bretwalda

Sunderland pr. No. 32601.



W11-0089

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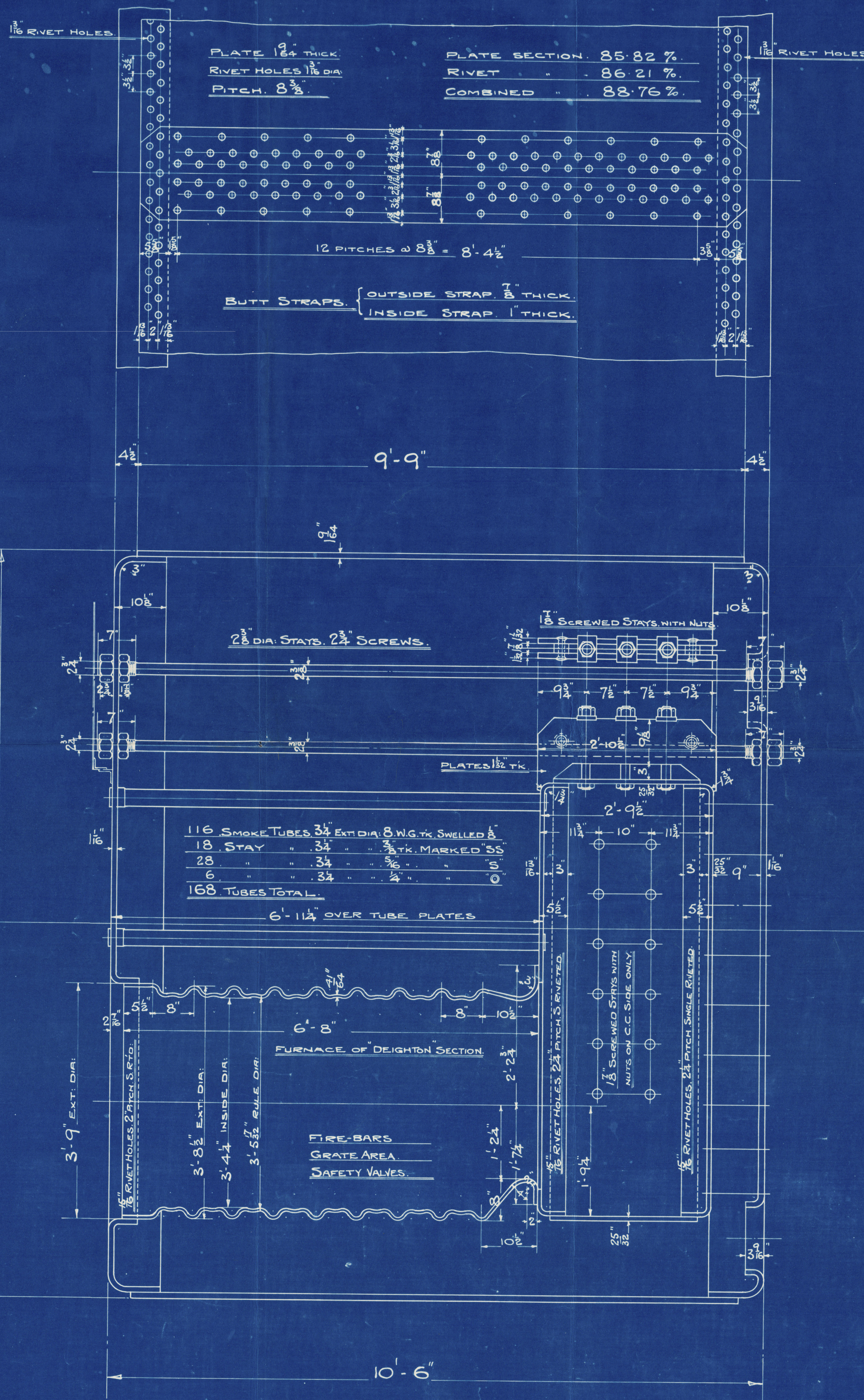
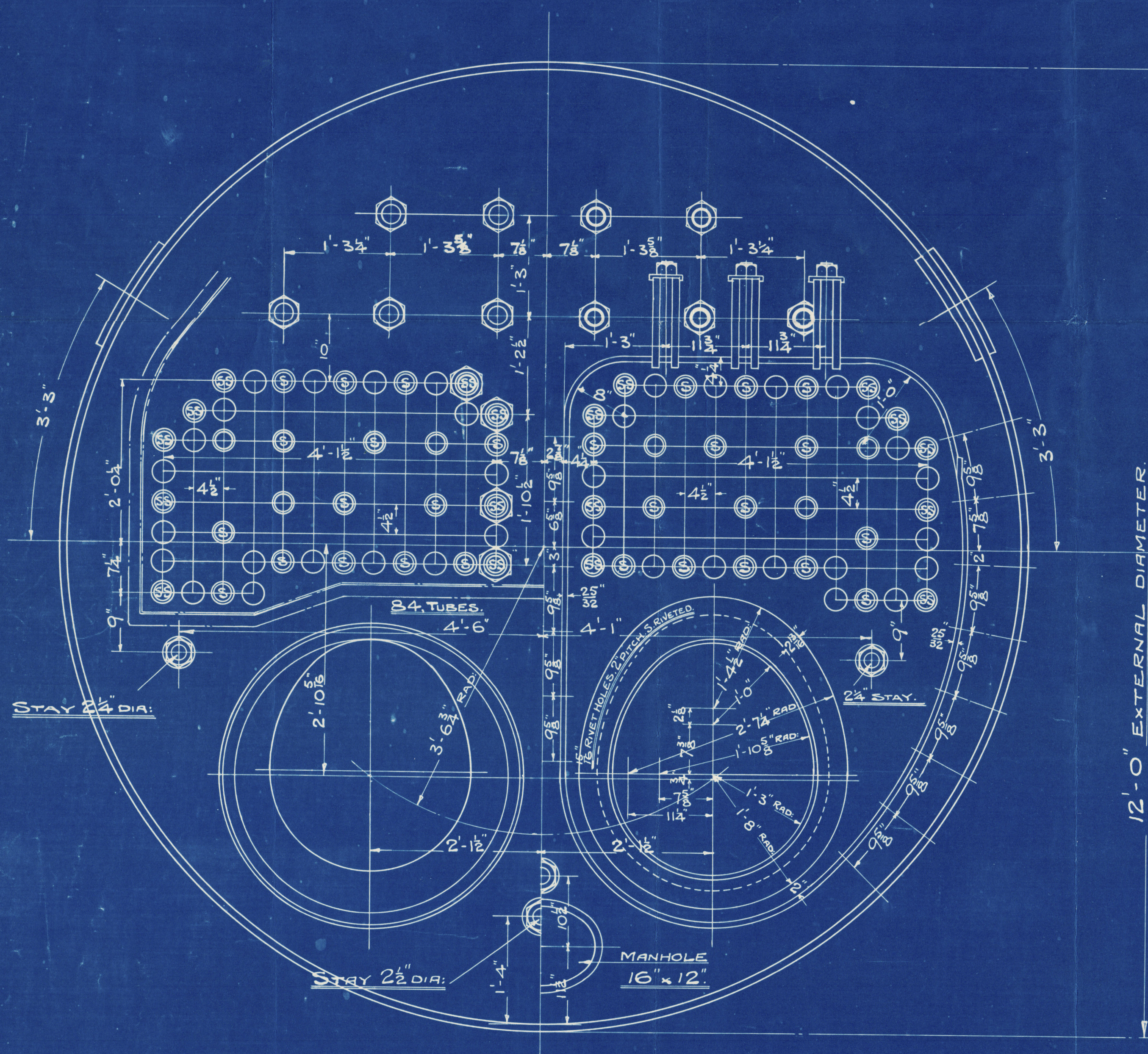
Lloyd's Register
Foundation

THE NORTH EASTERN MARINE ENGINEERING CO. LTD.
SUNDERLAND.
BOILER.

SCALE 1 INCH TO A FOOT. SCHEDULE "L".

WRITTEN DIMENSIONS ONLY TO BE TAKEN.

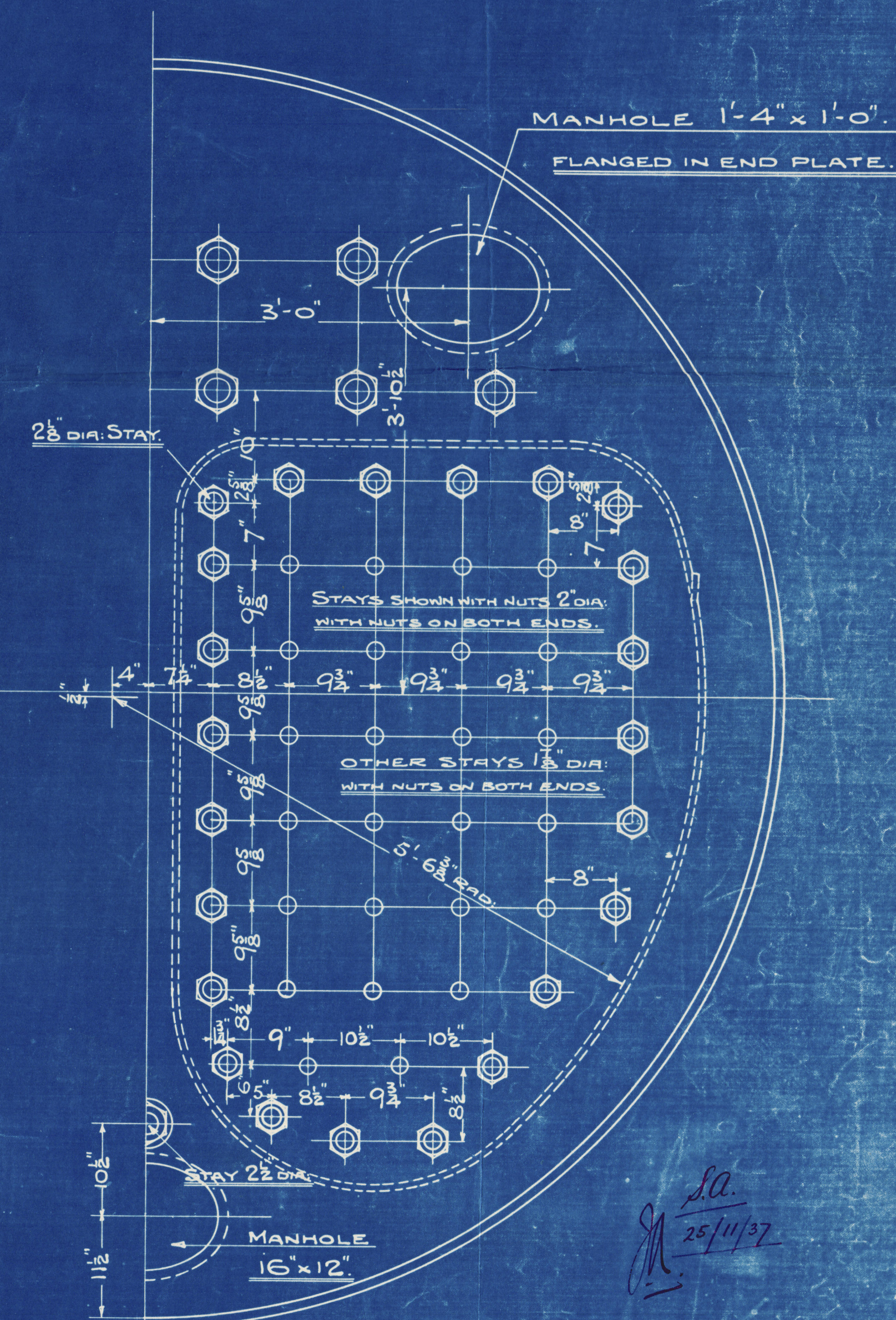
APPROVED BY LLOYD'S FEB. 6th 1935.



TO PASS LLOYD'S SURVEY.

SHELL = 29 (365-2) 85.82	2203 LBS PER
WORKING PRESSURE = 220	" "
TEST = 380	" "
HEATING SURFACE ON TUBES	985 SQ. FEET.
" " OTHER PARTS	270 " "
" " TOTAL	1255 " "
EX. FRONT TUBE PLATE	1235 " "
EFFECTIVE AREA OF STAYS	
3 1/2" STAY TUBES 3/8" TH. 9 THREADS PER INCH	2.67 SQ. INCHES.
3 1/2" " " 5/8" " " " "	2.17 " "
3 1/2" " " 1" " " " "	1.64 " "
2 1/2" MAIN STAYS 6" " " " "	4.43 " "
2 1/2" " " 6" " " " "	4.11 " "
2 1/2" " " 6" " " " "	3.26 " "
2 1/2" SCREWED " 9" " " " "	3.09 " "
2" " " 9" " " " "	2.71 " "
1 1/2" " " 9" " " " "	2.36 " "

ALL PLATES, RIVETS & STAYS - STEEL.
TUBES. BEST QUALITY SEAMLESS STEEL.
HOLES TO BE DRILLED IN PLACE AFTER BENDING
TENSILE STRENGTH OF SHELL PLATES 29 TO 33 TONS " "
" " " BUTT STRAP " 29 TO 33 " "
" " " GIRDER " 28 TO 32 " "
" " " ALL OTHER " 26 TO 30 " "
" " " MAIN STAYS " 28 TO 32 " "
" " " SCREWED " 26 TO 30 " "
SHEAR " " RIVETS " 23 TONS " "



CONTRACT 2920 LOFF (AUXILIARY)
CONTRACT 2906 LOFF (AUXILIARY)
CONTRACT 2886 LOFF
CONTRACT 2878 LOFF
CONTRACT 2877 LOFF
CONTRACT 2822 LOFF

DRAWING N°9307.

DRAWN BY JAS
TRACED BY
CHECKED BY 30.1.35

W11-0089

THE NORTH EASTERN MARINE
ENGINEERING CO. LTD.

NEWCASTLE-ON-TYNE

Combustion Chamber Type
Superheater for C 2920. SH. 707.

220 lbs W.P.

for

J. L. Thompson & Sons SS 591.

SS. "Breitwalda"

BUNDERLAND RPT. NO. 32601.

Certificate No

51038

7831.

To Sunderland

13

W11-0087



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